

OLIN CORPORATION -- HTH CALCIUM HYPOCHLORITE -- 6810-01-065-2410

===== Product Identification =====

Product ID:HTH CALCIUM HYPOCHLORITE

MSDS Date:09/06/1991

FSC:6810

NIIN:01-065-2410

MSDS Number: BPFJB

=== Responsible Party ===

Company Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Info Phone Num:203-750-3000 OR 800-511-6737

Emergency Phone Num:800-654-6911

CAGE:99530

=== Contractor Identification ===

Compa

ny Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

===== Composition/Information on Ingredients =====

Ingred Name:CALCIUM HYPOCHLORITE (SARA III)

CAS:7778-54-3

RTECS #:NH3485000

Fraction by Wt: 100%

Other REC Limits:30 PPM FOR CHLORINE

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 8

50 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THIS MATERIAL CAN BE IMMEDIATELY DANGEROUS TO LIFE AND HEALTH. IRRITATING TO THE NOSE, MOUTH, THROAT, AND LUNGS. CORROSIVE TO ALL TISSUES ON CONTACT. EYE AND SKIN:SEVERE IRRITATION,BURNS, AND CAN DAMA GE EYES. INGESTION:MAY BE HARMFUL. CHRONIC:LUNG DAMAGE.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS

LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE IRRITATION AND BURNING TO EXPOSED TISSUE OF EYES, SKIN, RESPIRATORY TRACT. INGESTION CAN BURN THE ENTIRE GASTROINTESTINAL TRACT INCLUDING THE STOMACH AND INTESTINES, RESULTING IN VOMITING, DIAR RHEA, BLEEDING AND/OR TISSUE ULCERATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN, CARDIOVASCULAR AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====

First Aid:EYE/SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. INGESTION: GIVE LARGE QUANTITIES OF WATE R. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. RELAUUNDER ANY EXPOSED CLOTHING BEFORE REUSE.

===== Fire Fighting Measures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY

CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. DO NOT USE FIRE EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS.

===== Accidental Release Measures =====

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VACUUM UP SPILLED MATERIAL AND PLACE IN CLEAN, DRY CONTAINER FOR DISPOSAL. IF SPILLED INTO WATER, MONITOR FOR AVAILABLE CHLORINE AND PH. STAY UPWIND OF SPILLS, IF POSSIBLE.

Neutralizing Agent:5% SODIUM THIOSULFATE SOLUTION.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT

IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:MATERIAL IS A STRONG OXIDIZER. TAKE PRECAUTIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:USE LOCAL EXHAUST TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE OR

PVC

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USE OF NEOPRENE OR PVC BOOTS AND WORK APRON RECOMMENDED. REPORTABLE SPILL QUANTITY IS 10 LBS.

===== Physical/Chemical Properties =====

HCC:D1

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE, FREE FLOWING POWDER WITH A CHLORINE-LIKE ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS, ORGANICS, NITROGEN-CONTAINING COMPOUNDS, DRY POWDER FIRE EXTINGUISHERS, CORROSIVE OR FLAMMABLE MATERIALS.

Stability Condition to Avoid:SHOCK FROM DROPPING, HIGH TEMPERATURES (>350F)

Hazardous Decomposition

Products:CHLORINE GAS

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS. CONTAMINATED SPILL MATERIAL  
MAY BE A HAZARDOUS WASTE.

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